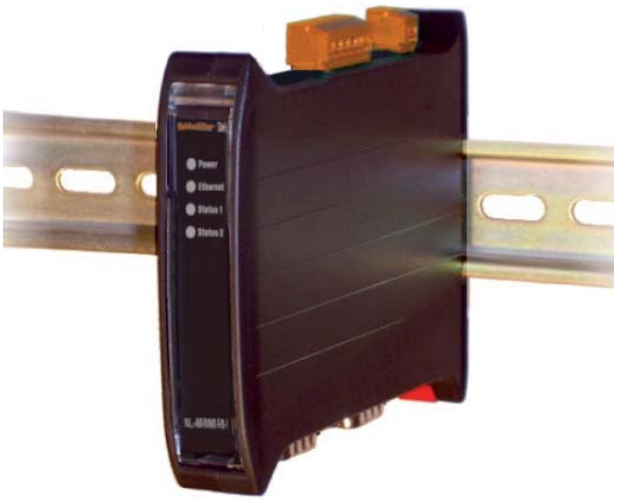
Industrial Modbus Gateway

SL-MOD-GW



Weidmuller's SL-MOD-GW is an industrial Modbus Gateway, which provides transparent conversion between Modbus RTU serial data (RS232 or RS485) and Modbus TCP on Ethernet. The SL-MOD-GW allows easy integration of Modbus Serial devices into an Ethernet Modbus TCP network and provides simple user configuration via a standard web browser interface.

- Convert between Modbus RTU Serial and Modbus TCP Ethernet
- Simple web-browser based configuration
- RS232 or RS485 serial communications
- Watchdog supervision and brown-out detection
- Small form-factor design
- DIN Rail Mount
- 0-60°C Operating Temperature range

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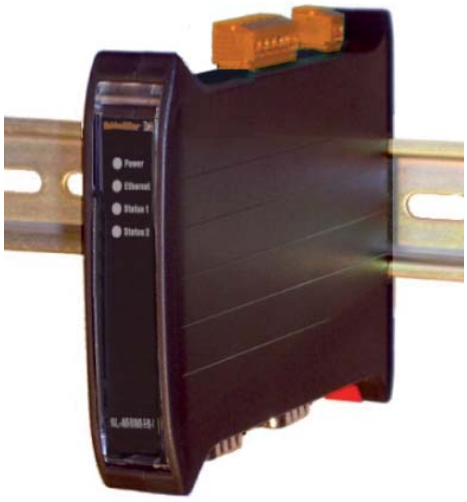
Features

The SL-MOD-GW gateway provides the following key features:

- Modbus/TCP protocol (Ethernet)
- Modbus RTU protocol (either RS-232 or RS-485, software configurable)
- Support of Modbus function codes 03, 04, 06 and 16
- Embedded web server for easy configuration and commissioning using a web browser
- Firmware upgradeable via Ethernet
- DIN rail mountable
- 24 V DC (10-30 V) power supply
- Status LEDs for power, Ethernet link, device status and communication status

The SL-MOD-GW incorporates an embedded web server. This allows you to connect to the device and monitor and configure it using a web browser.



Technical Data

Ethernet Connections	
Connector	8-pin RJ-45 Cat 5 socket with shield connection
Physical & Data Link Layer Layer	IEEE 802.3i 10BASE-T
Isolation	1.5 kV galvanic
Speed	10 Mbit/s, half-duplex
Max. cable length	100 m
Ethernet frame types	802.3
Protocols	Modbus/TCP slave, HTTP, IP, TCP, ARP
Concurrent connections	2 Modbus/TCP slave, 2 HTTP
Modbus RS-485 port	
Connector	6-pin pluggable terminal block
Physical layer	EIA-485-A, 2-wire
Isolation	Non-isolated
Speed (bps)	300, 600, 1200, 2400, 4800, 9600, 19200, 57600, 115200
Max. number of nodes	32
Protocols	Modbus RTU master
Modbus RS-232 port	
Connector	male 9-pin sub-D, DTE, EIA-574 pin-out
Physical layer	EIA-232-F
Isolation	Non-isolated
Signals	*RXD, *TXD, RTS, CTS, DTR, DSR, DCD, RI
Speed (bps)	300, 600, 1200, 2400, 4800, *9600, 19200, 57600, 115200
Protocols	Modbus RTU master / *ASCI Terminal *when used as diagnostic port
Indication	
Type	LED indicators: Power (green), Ethernet link (green), 2 status (bi-color red/green)
Power Supply	
Connection	2-pin pluggable terminal block header (Mini Combicon)
Supply voltage (others on request)	10-30 Vdc
Current	30mA typical @ 24 Vdc
Power Consumption	750mW
General	
Storage temperature	-25 to +85 °C
Operating temperature	0 to 60 °C
Relative humidity	10% to 95% (non-condensing)
Operating Enviroment	Free from corrosive gas, minimal dust
Housing	
Type	Self-extinguishing PC/ABS blend (UL 94-V0)
Dimensions	101 x 22.5 x 120 mm (H x W x D)
Mounting / Rating / Classification	DIN Rail mount / IP 20 / NEMA Type 1
Weight	0.12kg

Ordering Information	**Order as**
SL-MOD-GW	**7940086485**

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